

Vertical Fine Boring Machine

This machine is used for boring cylinder sleeves of ship engines, diesel locomotive engines, large size automobile engines and diesel engines, as well as various high precision holes of other workpiece. The spindle speed is stepless, and it features an automatically definite direction stop tool.



Overview

High-Precision Vertical Fine Boring

This vertical fine boring-milling machine is engineered for precision machining of large and deep holes in components like engine cylinder bodies for locomotives, steamships, and automobiles. Featuring a robust, rigid frame construction, the machine ensures high stability and accuracy throughout boring and milling operations. Its vertical design maximizes workshop space efficiency while providing operators with easy access for efficient workpiece positioning and clamping.

Technical Specifications

Control System Features

- Servo-motor controlled longitudinal table movement
- Servo-motor controlled spindle vertical travel
- PLC-based automation
- Integrated man-machine interaction interface

Spindle Performance

1 Stepless

Spindle Speed Control

Applications

Suitable Industries

Automotive, Marine, Locomotive, Engine Rebuilding

Design and Utility

Key Capabilities

Deep Hole Boring • Cylinder Milling • Precision Machining • Surface Finishing